

February 17, 2011

AlG Retirement Services, Inc. C/O DST Real Estate Advisors 6730 North Scottsdale Road, Suite 250 Scottsdale, Arizona 85253

Attn: Mr. Doug Tymins

Re: Earthen Cap Construction Report

Washington Park Corporate Center, Lot 3 4400 Block of East Washington Street

Phoenix, Arizona

WT Job No. 2187JK184

The purpose of this letter is to summarize the construction of an earthen cap (the cap) that meets the requirements of 40 CFR 761.61(a)(7) and 40 CFR 264.310(a) to cover PCB impacted soils at the above referenced site.

Construction of the cap was conducted in accordance with the schedule submitted to EPA in our letter dated June 14, 2010 and approved by EPA on July 2, 2010. The cap was constructed to cover PCB impacted soils that remained within the Trench Area at 2.9 (B-11), 1.6 (B-11), 1.2 (T6-15), 4.1 (T7-15), and 6.8 milligrams per kilogram (mg/kg) (T8-15); and immediately west of the Trench Area, where PCBs remain at 1.4 (B-14) and 1.3 mg/kg (B-15). PCB's in these locations had been encountered at a depth of 19 feet for grids T6-15, T7-15, and T8-15; and depths of 25 and feet and 31 to 31.5 feet at B-11, 26 to 26.5 feet at B-14, and 36 to 36.5 at B-15.

Prior to construction of the cap, several potential sources of soils throughout the Phoenix metropolitan area were sampled and tested to verify conformance with the 40 CFR 761.75(b)(1)(ii) through (b)(1)(v) criteria (Permeability, Percent soil passing the No. 200 sieve, Liquid Limit, and Plasticity Index). After several unsuccessful attempts to find a local source of soil to meet the permeability criteria, it was decided to blend the on-site soils with Sodium Bentonite clay from Western Clay in Aurora, Utah. Index properties and permeability tests were conducted in our laboratories to determine the optimum amount of Bentonite clay in the mix to achieve the required criteria. The CFR criteria were met with a combination of 75% on-site Clayey Sand soils and 25% Bentonite clay on a per weight basis (or approximately 60% on-site soils and 40% Bentonite on a per volume basis). The results of our laboratory tests are attached in Appendix A and summarized in the table below:

Washington Park Corporate Center, Lot 3 Cap Construction Report 2187JK184

Soil Property	40 CFR 761.75 Criteria	Bentonite-Soil Mix		
Permeability (cm/sec)	≤1x10 ⁻⁷	7.4x10 ⁻⁸		
Percent Soil passing No. 200 sieve	>30	35		
Liquid Limit	>30	170		
Plasticity Index	>15	18		

After the appropriate mix of materials for the cap construction was determined, a survey crew from Strand Associates (Strand) located the corners of the original trench excavation and the future limits of the cap. Subsequently, Western Technologies Inc. (WT) and its subcontractor Environmental Response, Inc. (ERI), proceeded to remove the entire backfill soils that had been placed in the trench area when PCB site characterization activities were originally conducted (WT Job No. 2188JF154, dated March 25, 2009). Removal of backfill soils was completed when the HDPE plastic liner that separated the on-site native soils from the import fill soils at the bottom of the excavation was encountered. Care was taken not to damage the liner or extend the excavation beyond this boundary and this liner was left in place. The trench excavation was then backfilled with on-site soils (without Bentonite) from a depth of approximately 19 feet to approximately 5 feet below the existing grade. The soils in this depth range were compacted in lifts no thicker than 10 inches to 98 to 100 percent of the maximum dry density per ASTM D698. Observation and testing records are attached in Appendix A of this report. After the trench area was backfilled to 5 feet below grade, the area immediately west of the trench (B-14 and B-15 locations) was excavated to level it with the rest of the Trench.

The soil used to fill the remainder of the Trench area and that remained stockpiled on-site was moistened and blended in-situ with the Bentonite by ERI to construct the cap. A WT representative observed the on-site blending to verify the adequate proportions of the two materials in the mix. The blended Bentonite-soil (cap) was subsequently placed in lifts no greater than 10 inches from a depth of 5 feet to approximately half a foot below current grade. The Bentonite-soil mix was compacted to 95 percent of the maximum dry density and to moisture contents at or greater than optimum per ASTM D698 (Appendix A). An HDPE liner was placed on top of the cap as a protective membrane to mitigate desiccation. Finally, a 6-inch layer of on-site compacted soil was placed on top of the cap and liner, and leveled to match the surrounding site grade. Strand placed rebar stakes at each corner of the cap and recorded the cap top elevation, which was located at the boundary between the liner and soil cover. The legal description and exhibit of the cap configuration is attached in Appendix B of this document.

Washington Park Corporate Center, Lot 3 Cap Construction Report 2187JK184

CLOSURE

The comments, statements, and interpretations set forth in this report reflect the opinions of the authors based upon conditions at the locations of specific observations. Work on this project was performed in accordance with generally accepted industry standards and practices by professionals providing similar services in this locality. No other warranty, express or implied, is made.

Sincerely, WESTERN TECHNOLOGIES INC. Geotechnical Engineering Services



Humberto F. Preciado, Ph.D., P.E. Director of Geotechnical Services



Donald J. Spadola, P.E. Principal/Senior Geotechnical Engineer

Attachments

Copies to: Addressee (2)

Carmen Santos with EPA Region 9

APPENDIX A

When Recorded return to:

SAFG Retirement Services, Inc. c/o AIG Global Investment Group 2800 North Central Ave. Suite 2100 Phoenix, AZ 85004

DEED NOTICE

Facility Name:

Lot 3 of Washington Park Corporate Center 4400 Block of East Washington Street Phoenix, Arizona ("The Property")

This Deed Notice, when recorded, is a covenant that runs with the land and burdens the Property, binds all owners' heirs, and successors.

This Deed Notice is executed and recorded by:

SAFG Retirement Services, Inc. c/o AIG Global Investment Group 1 SunAmerica Center 38th Floor Los Angeles, CA 90067

Owner covenants and agrees as follows:

A. Presence of Contamination.

Environmental contaminants are present on a portion of the Southeast Half of Lot 3 of Washington Park Corporate Center, Phoenix, Arizona.

B. Warranty of Title.

Owner is the only owner of, and holds all equitable and legal title to, the Property and has the authority to execute and record this Deed Notice.

C. Legal Description.

Lot 3 of Washington Park Corporate Center, Phoenix, Arizona. This Deed Notice applies only to a portion of the Property herein referred as the Excavation Sensitive Area. A legal description of the portion of the Property subject to the Deed Notice is attached and marked as Exhibit 1.

D. Maps.

The location of the Property and the portion of the Property subject to this Deed Notice is attached and marked as Exhibit 1.

E. Environmental Contaminant Information.

Poly Chlorinated Biphenyls (PCBs) impacted soils remain in an area of the site referred to as the Excavation Sensitive Area (Exhibit 1). The PCB concentrations range from 1.2 to 6.8 milligrams per kilogram (mg/kg) and the soils containing these concentrations are at depths ranging from 19 to 36.5 feet below current site grade (approximate site grade elevation is 1148 feet above mean sea level).

F. Engineering Control

Because the Owner is using an engineering control to prohibit contact with and migration of the remaining PCBs, the owner agrees to the following:

- 1. The engineering control in the Excavation Sensitive Area consists of a compacted clay soil cap beginning at an approximate Elevation 1142.8' and extending upward 4.5 feet (Elevation 1147.3'). This cap is covered with 6-mil thick plastic sheeting followed by a 0.5 foot-thick soil cover material. Soil used to construct the CAP has a permeability equal to or less that 1x10⁷ cm/sec, has more that 30% passing the No. 200 sieve, a liquid limit greater than 30, and a plasticity index greater than 15. The purpose of this CAP is to limit exposure to PCB impacted soils.
- 2. The maintenance requirements for the engineering control are presented herein:

2.1 General

The Excavation Sensitive Area has an engineered CAP at elevation 1147.3 feet above mean sea level. The CAP was constructed with clean soil or other materials that meet the requirements of 40 CFR 761.61(b)(1)(ii) through (b)(1)(v).

Any Owner of the Excavation Sensitive Area or any part thereof that will be conducting any development on or over the Excavation Sensitive Area, must notify all contractors of the existence of the CAP.

2.2 Maintenance of the CAP

The Property including the Excavation Sensitive Area is currently vacant, graded, undeveloped land with no structures or development and no occupants. While it remains undeveloped land, the Owner shall maintain the CAP in its current condition. From time to time, but at least annually, the Owner shall conduct an inspection of the CAP to observe if it has been altered in any way that would cause the CAP to not perform as intended. If the inspection reveals any indications that the CAP has been compromised, altered, or affected in any way that would affect its performance, the Owner must repair the CAP to its original condition. The repair to the CAP should be completed using clean soil or other materials that meet the requirements of 40 CFR 761.61(b)(1)(ii) through (b)(1)(v) and compacted to a minimum of 95 percent of the standard proctor density ASTM D698. Annually, the Owner will inspect the CAP and

if a repair or alteration to the CAP is needed, the owner shall submit a report describing the repairs or alterations to EPA.

2.3 Development on the CAP

In potential landscaped areas, a minimum TZ-Incri trickness of the CAP must be maintained at all times. All utility line cuts through the CAP must be backfilled and compacted with clean soil or other materials that meet the requirements of 40 CFR 761.61(b)(1)(ii) through (b)(1)(v) and compacted to a minimum of 95 percent of the standard proctor density.

Any asphalt or concrete placed on the CAP will become a part of the CAP with respect to future maintenance and inspection of the CAP. Portland cement or asphaltic concrete shall have a minimum thickness of 6 inches. If any foundations penetrate the CAP the footing thickness shall have a minimum thickness of 6 inches and the footing will become a part of the CAP with respect to future maintenance of the CAP. Once/if pavement or foundations cover the surface of the Excavation Sensitive Area, the earthen cap is no longer designated the CAP and the pavement and/or foundations will become the CAP. The footing excavation must be backfilled with clean soil or other materials that meet the requirements of 40 CFR 761.61(b)(1)(ii) through (b)(1)(v) and compacted to a minimum of 95 percent of the standard proctor density.

- 3. Owner agrees to maintain the specified maintenance requirements and implement the procedures outlined in Section 2 of this document.
- 4. If any person desires to cancel or modify the engineering control in the future, the person shall obtain the EPA's written approval. Any modification of the engineering control without the EPA's written permission is a violation of this deed notice.
- G. Additional Information

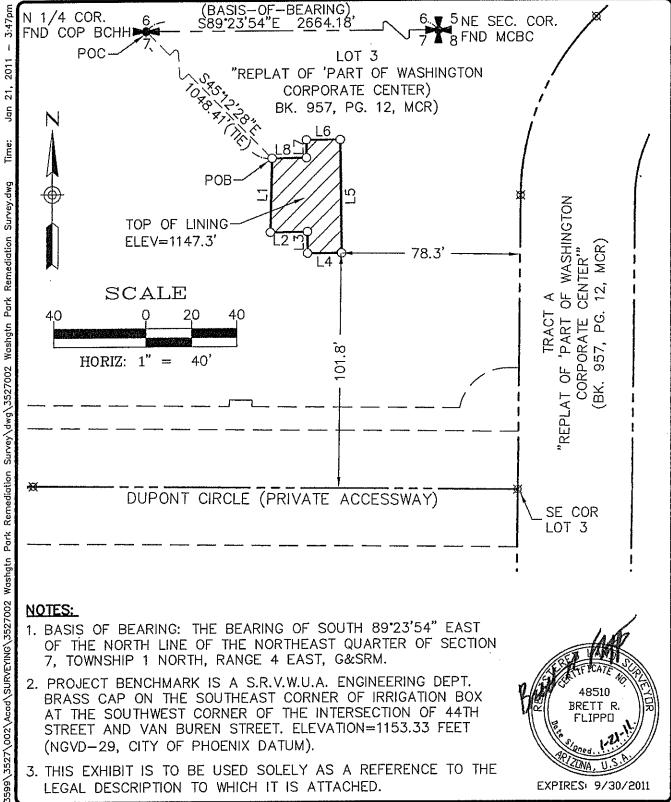
More detained information on the remediation is maintained and available at the EPA at the following address:

United States Environmental Protection Agency Region 9 RCRA Corrective Action Office Waste Management Division Mail Code WST-5 75 Hawthorne Street San Francisco, California 94105

SAFG Retirement Services, Inc.,
fka AIG Retirement Services, Inc.

By:		
	Douglas S., Tymins	
	Authorized Agent	

State of Californ County of	nia	
On	before me,	(here insert name and title of the officer)
personally appe	ared	(here insert name and title of the officer)
	•	
name(s) is/are so he/she/they exec his/her/their sign	abscribed to the within in the cuted the same in his/her.	ctory evidence to be the person(s) whose instrument and acknowledged to me that /their authorized capacity(ies), and that by ent the person(s), or the entity upon behalf of instrument.
the		Y under the laws of the State of California that
foregoing parag	raph is true and correct.	·
WITNESS my l	and and official seal.	
Signature		
		(Seal)



- 7, TOWNSHIP 1 NORTH, RANGE 4 EAST, G&SRM.
- 2. PROJECT BENCHMARK IS A S.R.V.W.U.A. ENGINEERING DEPT. BRASS CAP ON THE SOUTHEAST CORNER OF IRRIGATION BOX AT THE SOUTHWEST CORNER OF THE INTERSECTION OF 44TH STREET AND VAN BUREN STREET. ELEVATION=1153.33 FEET (NGVD-29, CITY OF PHOENIX DATUM).
- 3. THIS EXHIBIT IS TO BE USED SOLELY AS A REFERENCE TO THE LEGAL DESCRIPTION TO WHICH IT IS ATTACHED.



EXHIBIT MAP

PORTION OF "REPLAT OF 'PART OF WASHINGTON CORPORATE CENTER"

NE 1/4, SECTION 7, TOWNSHIP 1 NORTH, RANGE 4 EAST, G&SRM MARICOPA COUNTY, ARIZONA



1 OF 2 3527.002

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LEGAL DESCRIPTION

THAT PORTION OF LOT 3, REPLAT OF "PART OF WASHINGTON CORPORATE CENTER", FILED IN BOOK 957 OF MAPS, PAGE 12, RECORDS OF MARICOPA COUNTY, ARIZONA, AND LYING IN THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 1 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A CITY OF PHOENIX BRASS CAP IN HAND HOLE MARKING THE NORTH QUARTER SECTION CORNER OF SAID SECTION 7, FROM WHICH A MARICOPA COUNTY BRASS CAP BEARS SOUTH 89°23'54" EAST, 2664.18 FEET;

THENCE SOUTH 45°12'28" EAST, 1048.41' TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510" AND THE **POINT OF BEGINNING**;

THENCE SOUTH 01°21'15" WEST, 31.95 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510":

THENCE NORTH 89°19'50" EAST, 16.12 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510";

THENCE SOUTH 00°40'10" EAST, 9.27 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510";

THENCE NORTH 90°00'00" EAST, 14.76 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510":

THENCE NORTH 00°40'10" WEST, 48.93 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510";

THENCE SOUTH 90°00'00" WEST, 14.76 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510";

THENCE SOUTH 00°40'10" EAST, 7.73 FEET TO A SET 1/2" REBAR WITH YELLOW PLASTIC CAP STAMPED "LS 48510";

THENCE SOUTH 89°19'50" WEST, 14.99 FEET TO THE POINT OF BEGINNING.

CONTAINING 1,219 SQUARE FEET OR 0.03 ACRES, MORE OR LESS.



PREPARED BY STRAND ASSOCIATES, INC. 4602 E ELWOOD ST., SUITE 16 PHOENIX, AZ 85040

LINE TABLE								
LINE	LENGTH	BEARING						
L1	31.95	S01'21'15"W						
L2	16.12	N89*19'50"E						
L3	9.27	S00'40'10"E						
L4	14.76	N90'00'00"E						
L5	48.93	N00'40'10"W						
L6	14.76	S90*00'00"W						
L7	7.73	S00°40'10"E						
L8	14.99	S89'19'50"W						

LEGEND:

0

= PROPERTY LINE

= SECTION LINE

= EASEMENT

= SET 1/2"X18" REBAR W/CAP "LS 48510"

BCHH = BRASS CAP IN HAND HOLE

COP = CITY OF PHOENIX

MCR = MARICOPA COUNTY RECORDS
MCBC = MARICOPA COUNTY BRASS CAP

POB = POINT OF BEGINNING POC = POINT OF COMMENCEMENT

= FOUND SECTION CORNER



EXPIRES: 9/30/2011

EXHIBIT MAP

PORTION OF "REPLAT OF 'PART OF WASHINGTON CORPORATE CENTER"

NE 1/4, SECTION 7, TOWNSHIP 1 NORTH, RANGE 4 EAST, G&SRM MARICOPA COUNTY, ARIZONA



2 OF 2 3527.002

File: S:\F

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2011

	LINE TABLE								
LINE	LENGTH	BEARING							
L1	31,95	S01°21'15"W							
L2	16.12	N8919'50"E							
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■ MONUMENT NOT FOUND OR SET.

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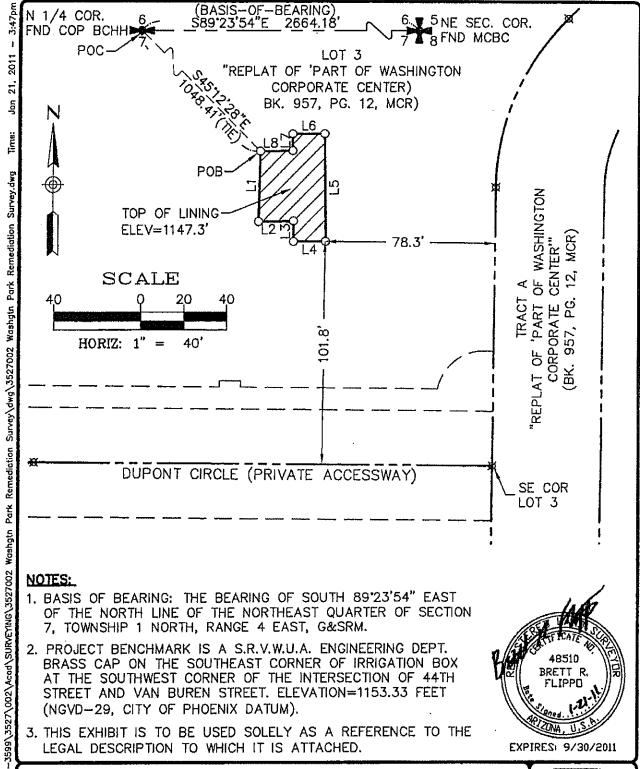
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NE 1/4, SECTION 7, TOWNSHIP 1 NORTH, RANGE 4 EAST, G&SRM MARICOPA COUNTY, ARIZONA



2 OF 2 3527.002



- BRASS CAP ON THE SOUTHEAST CORNER OF IRRIGATION BOX AT THE SOUTHWEST CORNER OF THE INTERSECTION OF 44TH STREET AND VAN BUREN STREET. ELEVATION=1153.33 FEET (NGVD-29, CITY OF PHOENIX DATUM).
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PREPARED BY STRAND ASSOCIATES, INC. 4602 E ELWOOD ST., SUITE 16 PHOENIX, AZ 85040

APPENDIX B



SOIL / AGGREGATE FIELD UNIT WEIGHT TESTS (FIELD DENSITY)

Date of Report 01-03-11

Job No. 2187JK184

Page 1 of 1

Event/Invoice No. A184-635

Authorized By AIG/TYMINS

Date 12-22-10

Tested By WT/MYERS

Date 12-23-10

Client

AIG

Project

Client AIG

PCB SITE CHARACTERIZATION

Location 4

44TH ST. & WASHINGTON, PHOENIX, AZ

Test Locations Designated By WT/MYERS

C/O DST REALESTATE ADVISORS

6730 N SCOTTSDALE RD #235

SCOTTSDALE, AZ 85253

Test Procedures In-Place Unit Weight: ASTM D6938

Moisture Content: ASTM D6938

Rock Correction: ASTM D4718

Gauge : Make TROY ER Mor

Model 3430

Serial No. 27901

Standard Count: Unit Weight 2606 H₂O 619

∡auge	: IVIake	TROXLER	Model 34	130	Seri	ai No.	2/901		Sta	ndard Count:	Unit Weight	2606 H2	U 619
	IN-PL/	ACE CHARACTE	RISTICS			LAB Ch	ARACTER	IISTICS		COMPACTION		REQUIREMENTS	
TEST NO.	Hole Volume cu. ft.	Molsture % of Dry Unit Weight	Dry Unit Weight lbf / cu, ft.	Oversize %	ID	Unit !	um Dry Weight cu. ft.	Moi	imum sture % connected	% of Corrected Maximum Dry Unit Weight	Moisture %	Compaction %	CONFORMANCE INDICATED
1		17.8	111.1	0	5		104.8		17.9	100+		95	YES
2		16.8	109.7	0	5	104.8	104.8	17.9	17.9	100+		95	YES
3		8.1	131.5	16	3	128.5	133.3	8.6	7.4	99		95	YES
4		18.2	108.6	0	5	104.8	104.8	17.9	17.9	100+		95	YES
5	warman view. Henry	8.4	132.5	16	3	128.5	133.3	8.6	7.4	99		95	YES
6		9.2	130.4	16	3	128.5	133.3	8.6	7.4	98		95	YES
7		16.9	113.3	0	5	104.8	104.8	17.9	17.9	100+		95	YES
8		19.3	107.4	0	5	104.8	104.8	17.9	17.9	100+		95	YES
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		TEST LOCATION	ON, VERTICAL		
ÑŎ.			Elevation *	MATERIAL TESTED	
1	RETEST OF ELEV SCARIFIED TO EVACUATE & EXCAVATE WATER	1,0	1445.0	SUBGRADE	
2	BENTONITE MIX BACKFILL 15' E X 20' N OF SW CORNER	1.0	1446.0	SUBGRADE	
3	NATIVE FILL E SIDE AREA CENTER OF 10' X 20' AREA	1.0	1446.0	SUBGRADE	
4	BENTONITE MIX BACKFILL 20' E X 20' N OF SW CORNER	0.8	1447.0	SUBGRADE	
5	NATIVE FILL E 10' X 20' AREA OF BACKFILL	0.8	1447.0	SUBGRADE	
6	NATIVE FILL E 10' X 20' AREA OF BACKFILL	0.8	1448.0	SUBGRADE	
7	BENTONITE MIX BACKFILL 25' E X 35' N OF SW CORNER	1.0	1448.0	SUBGRADE	
8	BENTONITE MIX BACKFILL 15' E X 10' N OF SW CORNER	1.0	1448.0	SUBGRADE	
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	LABORATORY DATA & COMPACTION CHARACTERISTICS										
	EVENT/ /OICE NO.	DESCRIPTION OF MATERIAL	SOURCE OF MATERIAL	OPTIMUM MOISTURE,%	MAXIMUM DRY UNIT WEIGHT, lbf / cu. ft.	TEST METHOD					
5 2140	WP102	LT BROWN CLAY	BETONITE & NATIVE BLEND	17.9	104.8	D698-A					
3 2140	WP063		EXAVATED SOIL	8.6	128.5	D698-C					
	1										

Comments: * DATUM SEA LEVEL

Distribution: CLIENT (1)

TESTING WAS PERFORMED PER LOCAL INDUSTRY PRACTICES THAT MAY INCLUDE SLIGHT DEVIATIONS FROM THE STANDARDS.

TESTS REPORTED HEREIN ARE INDICATIVE OF CONDITIONS FOUND AT THE EXACT LOCATION AND TIME OF TESTING ONLY. THE ABOVE SERVICES AND REPORT WERE PERFORMED PURSUANT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN WIT AND CLIENT WIT WARRANTS THAT THIS WAS PERFORMED UNDER THE STANDARD OF REASONABLE CARE APPLICABLE TO SUCH TESTING GENERALLY. NO OTHER WARRANTY GUARANTY, OR REPRESENTATION, EXPRESSED OR IMPLIED, IS INCLUDED OR INTENDED,

DEVIEWED DV	R.MARWIG	
REVIEWED BY	H.MARWIG	



SOIL / AGGREGATE FIELD UNIT WEIGHT TESTS (FIELD DENSITY)

Client AIG

C/O DST REALESTATE ADVISORS 6730 N SCOTTSDALE RD #235 SCOTTSDALE, AZ 85253

Date of Report 01-03-11

Job No. 2187JK184

Event/Invoice No. A184-629

Authorized By AIG/TYMINS Tested By WT/MYERS

Page 1 of 1

Date 12-21-10 Date 12-22-10

Client

AIG

PCB SITE CHARACTERIZATION Project

44TH ST. & WASHINGTON, PHOENIX, AZ Location

Test Locations Designated By WT/MYERS

Test Procedures In-Place Unit Weight: ASTM D6938

Moisture Content: ASTM D6938

Rock Correction: ASTM D4718 Gauge: Make TROXLER Model 3430 Serial No. 27901 Standard Count: Unit Weight 2606 H₂O 619

	IN-PLA	CE CHARACTE	RISTICS			LAB CH	ARACTER	ISTICS		COMPACTION	A segretary of a terminant and advantage and and advantage of the segretary of the segretar	***************************************	
TEST NO.	Hole Volume cu. ft.	Moistere % of Dry Unit Weight	Dry Unit Weight lbf / cu. ft.	Oversize %	ID	Unit \	um Dry Veight u. ft.	Moi	mum sture %	% of Corrected Maximum Dry Unit Weight	Moisture %	Compaction %	CONFORMANCE INDICATED
1	***************************************	18.7	110.7	0	5	104.8		17.9	17.9	100+	15.9 TO 20.9	95	YES
2		8.2	127.7	16	3	128.5	133.3	8.6	7.4	98		95	YES
3		8.0	127.0	16	3	128.5	133.3	8.6	7.4	95		95	YES
4		24.1	102.2	0	5	104.8	104.8	17.9	17.9	98		95	YES
5		21.0	107.3	0	5	104.8	104.8	17.9	17.9	100+		95	YES
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			***************************************										
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TEST NO.	TEST LOCATION, HORIZONTAL	Approximate Fill Depth, ft.		MATERIAL TESTED	
			Elevation *		
1	BENTONITE MIX BF 10' N X 20' E OF SW CORNER	0.8	1444.0	SUBGRADE	
2	NATIVE SOIL EAST SIDE 10' X 20' CENTER OF AREA	1.0	1445.0	SUBGRADE	
3	NATIVE SOIL EAST SIDE 10' X 20' CENTER OF AREA	1.0	1446.0	SUBGRADE	
4	BENTONITE MIX BF 15' N X 10' E OF SW CORNER	0.8	1446.0	SUBGRADE	
5	BENTONITE MIX 15' N X 10' E OF SW CORNER	0.8	1446.0	SUBGRADE	
				The second secon	
	товалия в выполнятия домно этом этом этом этом этом выстранной подтом от отношнию выполнять общений выдываний в В подтом в выполнять				
[-n-m-m-m-m					
			************		

	LABORATORY DATA & COMPACTION CHARACTERISTICS											
LAB ID.	EVENT/ INVOICE NO.	DESCRIPTION OF MATERIAL	SOURCE OF MATERIAL	OPTIMUM MOISTURE, %	MAXIMUM DRY UNIT WEIGHT, lbf / cu, ft.	TEST METHOD						
I	2140WP102	LT BROWN CLAY	BETONITE & NATIVE BLEND	17.9	104.8	D698-A						
3	2140WP063		EXAVATED SOIL	8.6	128.5	D698-C						
	INTERNATION WITH THE PROPERTY OF THE PROPERTY											
	\APPANTURY WWW.APPRINGSWARAY 7/8 -											
	***************************************	TO THE RESIDENCE OF THE PROPERTY OF THE PROPER										

Comments: * DATUM SEA LEVEL

Distribution: CLIENT (1)

TESTING WAS PERFORMED PER LOCAL INDUSTRY PRACTICES THAT MAY INCLUDE SLIGHT DEVIATIONS FROM THE STANDARDS.

TESTS REPORTED HEREIN ARE INDICATIVE OF CONDITIONS FOUND AT THE EXACT LOCATION AND TIME OF TESTING ONLY. THE ABOVE SERVICES AND REPORT WERE PERFORMED PURSUANT TO THE TERMS AND CONDITIONS OF THE CONTRACT SETWEEN WIT AND CLIENT WIT WARRANTS THAT THIS WAS PERFORMED UNDER THE STANDARD OF REASONABLE CARE APPLICABLE TO SUCH TESTING GENERALLY. NO OTHER WARRANTY GUARANTY. OR REPRESENTATION. EXPRESSED OR IMPLIED, IS INCLUDED OR INTERNED

REVIEWED BY	DIWRAM.R	
	ISIONED COPY ON FILE	



# SOIL / AGGREGATE FIELD UNIT WEIGHT TESTS (FIELD DENSITY)

Client AIG

C/O DST REALESTATE ADVISORS 6730 N SCOTTSDALE RD #235 SCOTTSDALE, AZ 85253 Date of Report 01-03-11

Job No. 2187JK184

Page 1 of 1

Event/Invoice No. A184-628

Authorized By AIG/TYMINS

Date 12-20-10

Tested By WT/MYERS

Date 12-21-10

Client

AIG

Project

**PCB SITE CHARACTERIZATION** 

Location 44TH ST. & WASHINGTON, PHOENIX, AZ

Test Locations Designated By WT/MYERS

Test Procedures In-Place Unit Weight: ASTM D6938

Moisture Content: ASTM D6938

Rock Correction: ASTM D4718

Gauge : Make TROXI FR

Model 3430

Serial No. 27901

Standard Count: Unit Weight 2604

H₂O 619

	IN-PLA	ACE CHARACTE	RISTICS	<u> </u>		LAB CH	ARACTER	ISTICS		COMPACTION	,,,	REQUIREMENTS	.,
TEST NO.	Hola Valume cu. ft.	Moisture % of Dry Unit Weight	Dry Unit Weight lbf / cu, ft.	Oversize %	10	Unit \ lbf / c	um Dry Velght u, ft.	Moi	imum stura % consected	% of Corrected Maximum Dry Unit Weight	Moisture %	Compaction %	CONFORMANC
1		7.3	133.2	16	3	128.5	133.3	8.6	7.4	100		95	YES
2		11.6	118.0	0	5	104.8	104.8	17.9	17.9	100+		96	YES
3	um antho a facultation of a salt of the	18.4	106.1	0	5	104.8	104.8	17.9	17.9	100+		95	YES
4	Market 1	6.7	126.8	16	3	128.5	133.3	8.6	7.4	95		95	YES
5	made to attractive or	16.8	109.7	0	5	104.8	104.8	17.9	17.9	100+		95	YES
6		6.9	128.3	16	3	128.5	133.3	8.6	7.4	96		95	YES
				-									1
over ment best over a		·										<u> </u>	
											***************************************		
									1		***************************************		1

TEST		TEST LOCATION	ON, VERTICAL	
NO.	TEST LOCATION, HORIZONTAL	Approximate Fili Depth, ft.	Elavation *	MATERIAL TESTED
1	N RAMP AREA NATIVE SOIL COMPACTION	1.0	1140.5	SUBGRADE
2	CENTER OF MIX BACKFILL 20' N X 20' E FROM SW CORNER	0.8	1141.5	SUBGRADE
3	W OF MIX BACKFILL 15' N X 10' E FROM SW CORNER	0.8	1142.0	SUBGRADE
4	E 10' X 20' SECTION OF NATIVE FILL	0.8	1142.0	SUBGRADE
5	CENTER OF BENTONITE MIX 20' N X 15' E OF SW CORNER	0.8	1143.0	SUBGRADE
6	10' X 20' NATIVE FILL AREA CENTER	0.8	1143.0	SUBGRADE
		į		
			The state of the s	

g	LABORATORY DATA & COMPACTION CHARACTERISTICS												
LAB ID.	EVENT/ INVOICE NO.	DESCRIPTION OF MATERIAL	SOURCE OF MATERIAL	OPTIMUM MOISTURE,%	MAXIMUM DRY UNIT WEIGHT, Ibf / cu. ft.	TEST METHOD							
3	2140WP063		EXAVATED SOIL	8.6	128.5	D698-C							
5	2140WP102	LT BROWN CLAY	BETONITE & NATIVE BLEND	17.9	104.8	D698-A							
1													
		1	The state of the s										
1				<u> </u>									

Comments: * DATUM SEA LEVEL

Distribution: CLIENT (1)

TESTING WAS PERFORMED PER LOCAL INDUSTRY PRACTICES THAT MAY INCLUDE SLIGHT DEVIATIONS FROM THE STANDARDS.

TESTS REPORTED HEREIN ARE INDICATIVE OF CONDITIONS FOUND AT THE EXACT LOCATION AND TIME OF TESTING ONLY. THE ABOVE SERVICES AND REPORT WERE PERFORMED PURSUANT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN WITH AND CLIENT. WITH WARRANTS THAT THIS WAS PERFORMED UNDER THE STANDARD OF REASONABLE CARE APPLICABLE TO SUCH TESTING GENERALLY. NO OTHER WARRANTY GUARANTY, OR REPRESENTATION, EXPRESSED OR IMPLIED, IS INCLUDED OR INTENDED.

REVIEWED BY	R.MARWIG

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# **SOIL / AGGREGATE** FIELD UNIT WEIGHT TESTS (FIELD DENSITY)

Client AIG

C/O DST REALESTATE ADVISORS 6730 N SCOTTSDALE RD #235 SCOTTSDALE, AZ 85253

Date of Report 02-01-11

Job No. 2187JK184

Page 1 of 1

Event/Invoice No. A184-582A

Date 08-11-10

Authorized By AIG/GAINTNER

Tested By WT/WARREN

Date 08-12-10

Client

AIG

Project

**PCB SITE CHARACTERIZATION** 

Location

44TH ST. & WASHINGTON, PHOENIX, AZ

Test Locations Designated By WT/WARREN

Test Procedures In-Place Unit Weight: ASTM D6938

Moisture Content: ASTM D6938

Rock Correction: ASTM D4718

Standard Count: Unit Weight 1878 Gauge: Make TROXLER Model 3411-B Serial No. 12917 H₂O 548

IN-PLACE CHARACTERISTICS						LAB CH	IARACTER	ISTICS		COMPACTION	1	REQUIREMENTS		
TEST NO.	Hole Volume cu. ft.	Moisture % of Dry Unit Weight	Dry Unit Weight lbf / cu. ft.	Oversize %	QI		um Dry Weight u. ft.	Moi	imum sture % connectio	% of Corrected Maximum Dry Unit Weight	Moisture %	Compaction %	CONFORMANCE INDICATED	
10		8.2	128.7	16	3	128.5	133.3	8.6	7.4	97	4.4 TO 10.4	98	NO	
11A	to the contract Appearance	7.8	133.0	16	3	128.5	133.3	8.6	7.4	100	4.4 TO 10.4	98	YES	
12		7.3	131.9	16	3	128.5	133.3	8.6	7.4	99	4.4 TO 10.4	98	YES	
13		8.2	131.7	16	3	128.5	133.3	8.6	7.4	99	4.4 TO 10.4	98	YES	
14		6.7	136.5	16	3	128.5	133.3	8.6	7.4	100+	4.4 TO 10.4	98	YES	
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1	TEST	Activities to the second control of the seco	TEST LOCATION,	VERTICAL	til Trait, Transa
İ	NO.	TEST LOCATION, HORIZONTAL	Approximate Fill Depth, It.	Elevation *	MATERIAL TESTED
į	10	PCB TRENCH - 120'N X 120'W OF SEC OF SITE	1.0	92.0	TRENCH BACKFILL
	11a	PCB TRENCH - 120'N X 120'W OF SEC OF SITE RETEST OF #10	1.0	92.0	TRENCH BACKFILL
f i	12	PCB TRENCH - 130'N X 125'W OF SEC OF SITE	1.0	93.0	TRENCH BACKFILL
	13	PCB TRENCH - 115'N X 130'W OF SEC OF SITE	1.0	94.0	TRENCH BACKFILL
ţ	14	PCB TRENCH - 110'N X 125'W OF SEC OF SITE	1.0	95.0	TRENCH BACKFILL
ŀ	•				er comment

LABORATORY DATA & COMPACTION CHARACTERISTICS

	EVENT/
LABIO	INVOICE NO.
3	2140WP063

DESCRIPTION OF MATERIAL

SOURCE OF MATERIAL **EXAVATED SOIL** 

OPTIMUM MOISTURE,% 8.6

MAXIMUM DRY UNIT WEIGHT, Ibl / cu. ft.

TEST METHOD

128.5

D698-C

Comments: * DATUM TOP OF TRENCH = 100.0 FEET

Distribution: CLIENT (1)

TESTING WAS PERFORMED PER LOCAL INDUSTRY PRACTICES THAT MAY INCLUDE SUIGHT DEVIATIONS FROM THE STANDARDS

TESTS REPORTED HEREIN ARE INDICATIVE OF CONDITIONS FOUND AT THE TXACT LOCATION AND TIME OF TESTING DRITY. THE ABOVE SERVICES AND REPORT WERE FER GAMES PURSUANT TO THE TERMS AND CUMPITIONS OF THE CONTRACT DETWEEN WE AND TERM WAS ARRESTED AT THE WAS PERFORMED UNDER THE STANDARD OF REASONABLE CARE APPLICABLE TO SOLIT TESTING GENERALLY TO OTHER WARRANTY CHARANTY OR REPRESENTATION, EXPRESSED ON IMPERD, IS RECLUDED OR INTERDED.

REVIEWED BY

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## **SOIL / AGGREGATE** FIELD UNIT WEIGHT TESTS (FIELD DENSITY)

Client AIG

C/O DST REALESTATE ADVISORS 6730 N SCOTTSDALE RD #235 SCOTTSDALE, AZ 85253

Date of Report 02-01-11

Job No. 2187JK184

Page 1 of 1

Event/Invoice No. A184-582

Authorized By AIG/GAINTNER

Date 08-10-10

Tested By WT/WARREN

Date 08-11-10

Client

**AIG** 

Project

**PCB SITE CHARACTERIZATION** 

Location 44TH ST. & WASHINGTON, PHOENIX, AZ

Test Locations Designated By WT/WARREN

Test Procedures In-Place Unit Weight: ASTM D6938 Moisture Content: ASTM D6938 Rock Correction: ASTM D4718

Gauge: MakeTROXLER Model 3411-B Serial No. 12917 Standard Count: Unit Weight 1892  $H_2O$ 

1	IN-PLA	CE CHARACTE	RISTICS			LAB CH	IARACTER	ISTICS	,	COMPACTION		REQUIREMENTS	
TEST NO.	Hola Volume cu. ft.	Moisture % of Dry Unit Weight	Dry Unit Weight lbf / cu. ft,	Oversize	ID		um Dry Weight Su, ft.	Mois	Mum iture 6 connected	% of Corrected Maximum Dry Unit Weight	Moisture %	Compaction %	CONFORMANCE INDICATED
1		11.1	118.8	18	3	128.5	133.3	8.6	7.4	89	4.4 TO 10.4	98	NO
2A		6.7	131.6	16	3	128.5	133.3	8.6	7.4	99	4.4 TO 10.4	98	YES
3		4.4	134.6	18	3	128.5	133.3	8.6	7.4	100+	4.4 TO 10.4	98	YES
4		8.2	124.1	16	3	128.5	133.3	8.6	7.4	93	4.4 TO 10.4	98	NO
5 _A		9.1	130.5	16	3	128.5	133.3	8.6	7.4	98	4.4 TO 10.4	98	YES
6A		8.5	132.2	16	3	128.5	133.3	8.6	7.4	99	4.4 TO 10.4	98	YES
7		7.2	131.2	16	3	128.5	133.3	8.6	7.4	98	4.4 TO 10.4	98	YES
8		8.0	131.8	16	3	128.5	133.3	8.6	7.4	99	4.4 TO 10.4	98	YES
9		7.2	133.5	16	3	128.5	133.3	8.6	7.4	100	4.4 TO 10.4	98	YES
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1 I		₹ <u>.</u>		. J						1			

TECT LOCATION HODITONIA	TEST LOCATION	I, VERTICAL	***************************************
5 TEST LOCATION, HORIZONTAL	Fill Depth, ft.	Elevation *	MATERIAL TESTED
1 PCB TRENCH - 117'N X 120'W OF SEC OF SITE	1.0	86.0	TRENCH BACKFILL
2A PCB TRENCH - 117'N X 120'W OF SEC OF SITE RETEST OF #1	1.0	86.0	TRENCH BACKFILL
3 PCB TRENCH - 117'N X 120'W OF SEC OF SITE	1.0	87.0	TRENCH BACKFILL
4 PCB TRENCH - 125'N X 120'W OF SEC OF SITE	1.0	88.0	TRENCH BACKFILL
5A PCB TRENCH - 125'N X 120'W OF SEC OF SITE RETEST OF #4	1.0	0.88	TRENCH BACKFILL
6A PCB TRENCH - 125'N X 120'W OF SEC OF SITE RETEST OF #5	1.0	88,0	TRENCH BACKFILL
7 PCB TRENCH - 115'N X 120'W OF SEC OF SITE	1.0	89.0	TRENCH BACKFILL
8 PCB TRENCH - 115'N X 120'W OF SEC OF SITE	1.0	90.0	TRENCH BACKFILL
9 PCB TRENCH - 115'N X 120'W OF SEC OF SITE	1.0	91.0	TRENCH BACKFILL

LABORATORY DATA & COMPACTION CHARACTERISTICS

**EXAVATED SOIL** 

EVENT: INVOICE NO LAB ID 3 2140WP063

DESCRIPTION OF MATERIAL

SOURCE OF MATERIAL

OPTIMUM MOISTURE,%

MAXIMUM DRY UNIT WEIGHT, Ibl / cu. ft

TEST METHOD

8.6

128.5

D698-C

Comments: * DATUM TOP OF TRENCH = 100.0 FEET

Distribution: CLIENT (1)

TESTING WAS PERFORMED PER LUCAL INDUSTRY PRACTICES THAT MAY INCLUDE SLIGHT DEVIATIONS FROM THE STANDARDS

TESTS REPORTED HEREIN ARE INDICATIVE OF CONDITIONS FOUND AT THE EXACT COCATION AND TIME OF TESTING ONLY THE ABOVE STRIVEES AND REPORT WRITE PROTRINED PRIBODANT TO THE TERMS AND CONDITIONS OF THE CONTRACT RELIVEEN METALIST OF THE CONTRACT RELIVEEN METALIST OF THE CONTRACT RELIVEEN METALIST OF THE STANDARD OF REASONABLE CALLE APPLICABLE OF SUCH TESTING CHRITICALLY NO OTHER WARRAND COMPANY OR REPRESENTATION, EXPRESSED OF IMPLIED IS PICTURED OR RETENDED

REVIEWED BY



# PHYSICAL PROPERTIES OF SOILS & AGGREGATES

Client AIG

C/O DST REALESTATE ADVISORS 6730 N SCOTTSDALE RD #235 SCOTTSDALE, AZ 85253 Date of Report 02-16-11

Job No. 2187JK184

Event / Invoice No. 2140WP083

Lab No. 2

Authorized by AIG/TYMINS
Sampled by S. DI MICELLI

Date 12-21-10

Submitted by WT/PRECIADO

Date 12-20-10 Date 12-20-10

Project WASHINGTON PARK CORPORATE CENTER LOT 3

Contractor ERI

Type / Use of Material CAP MATERIAL

Sample Source / Location ON-SITE SOIL + BENTONITE(25%)

Testing Authorized: Special Instructions:

Location 4400 BLOCK OF EAST WASHINGTON ST

Arch. / Engr. --

Supplier / Source PROJECT SITE

Source / Location Desig. By S. DI MICELLI

Date 12-20-10

#### **TEST RESULTS**

SIEVE ANALYSI				LABORA	ATORY COM	PACTION CHARACTERISTICS: ASTM D698 METHOD A		
FINER THAN NO	ACCUMULATIVE % PASSING	SPECIFICATION	DRY UNIT WEIGHT, LBF/FT3		16.0	SAMPLE PREPARATION RAMMER USED:	SOUTH OTHER STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	104.8 17.9
	TEST PROCE	I	<b></b>	RESULT	SPECS	TEST PROCEDURE	RESULT	SPECS
ESTIMATED 9	TIC PROPERTIES:	LIO 40 PLAS	IUID LIMIT → TIC LIMIT → TY INDEX →			RESISTANCE TO DEGRADATION OF SMALL-SIZE COARSE AGGREGATES BY ABRASION:  GRADING 100 REV, % LOS GRADING 500 REV, % LOS	· •	5. 1.53
MOISTURE CON PORTION TES	TENT :		Y WEIGHT →			SPECIFIC GRAVITY: MAX. PARTICLE SIZE, IN. SPECIFIC GRAVITY @ 20*		
EXPANSION / C	OMPRESSION PROPI	ERTIES OF COHES				ph DETERMINATION :	<b>→</b>	
SURCHARGE,	MAXIMUM SWELL PRESSURE, KSF →					SOLUBLE SALTS:	•	
INITIAL WATER	NITIAL WATER CONTENT, % DRY DENSITY, PCF					MINIMUM RESISTIVITY: OHM-CN	+	
SOIL CLASSIFIC	ATION:			GROUP SYM	IBOL:			

Comments:

Copies to: CLIENT (1)

THE SERVICES REFERRED TO HEREIN WERE PERFORMED IN ACCORDANCE WITH THE STANDARD OF CARE PRACTICED LOCALLY FOR THE REFERENCED METHODIS) AND RELATE ONLY TO THE CONDITIONIS OR SAMPLEIS) TESTED AS STATED HEREIN. WESTERN TECHNOLOGIES INC. MAKES NO OTHER WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLED, AND HAS NOT CONFIRMED INFORMATION INCLUDING SOURCE OF MATERIALS SUBMITTED BY OTHERS.

REVIEWED BY	



# PHYSICAL PROPERTIES OF SOILS & AGGREGATES

Client AIG

C/O DST REALESTATE ADVISORS 6730 N SCOTTSDALE RD #235 SCOTTSDALE, AZ 85253 Date of Report 02-16-11

Job No. 2187JK184

Event / Invoice No. 2140WP063

Lab No. 1

Authorized by AIG/TYMINS

Date 08-11-10

Sampled by WT/FOREMAN

Date 08-06-10

Submitted by WT/PRECIADO

Date 08-06-10

Project WASHINGTON PARK CORPORATE CENTER LOT 3

Contractor ERI

Type / Use of Material BACKFILL

Sample Source / Location EXCAVATED SOIL

Testing Authorized : Special Instructions :

Location 4400 BLOCK OF EAST WASHINGTON ST

Arch. / Engr. --

Supplier / Source PROJECT SITE

Source / Location Desig. By WT/FOREMAN

Date 08-06-10

#### **TEST RESULTS**

SIEVE ANALYSIS :			LABORA	тону соме	ACTION CHARACTERISTICS : ASTM	D1687 METHOD C			
SIEVE ANALYSIS FINER THAN NO SIEVE		SPECIFICATION	DRY UNIT WEIGHT, LBF/FT ³	LABORA	TORY COMP	ACTION CHARACTERISTICS : ASYM	SAMPLE PREPARATION: RAMMER USED:	ORAVITY : 2 6 : 1 LE : 3	28.5 8.6
					6.3	8.6 10.9			
				1	MOISTUI	RE, % DRY WEIGHT			
	TEST PROC	EDURE		RESULT	SPECS	TEST PROCEDURE  RESISTANCE TO DEGRADATION OF SMALL-SIZE COARSE		RESULT	SPECS
LIQUID & PLASTIC PROPERTIES:  LIQUID LIMIT →  ESTIMATED % RETAINED ON NO. 40 PLASTIC LIMIT →  SAMPLE AIR DRIED YES NO PLASTICITY INDEX →					AGGREGATES BY ABRASION : GRADIN GRADIN	¥G 100 REV, % LOSS →			
MOISTURE CONTENT: PORTION TESTED % DRY WEIGHT →					SPECIFIC GRAVITY: MAX. PARTICLE SIZE, IN.	SPECIFIC GRAVITY @ 20°C -			
EXPANSION / COMPRESSION PROPERTIES OF COHESIVE SOIL:					ph determination :	рН →			
MAXIMUM SWELL PRESSURE, KSF →					SOLUBLE SALTS :	РРМ →			
SURCHARGE, KSF INITIAL WATER CONTENT, % DRY DENSITY, PCF						MINIMUM RESISTIVITY:	OHM-CM →		
SOIL CLASSIFIC	ATION :			GROUP SYN	ABOL:				

Comments:

Copies to: CLIENT (1)

THE SERVICES REFERRED TO HEREIN WERE PERFORMED IN ACCORDANCE WITH THE STANDARD OF CARE PRACTICED LOCALLY FOR THE REFERENCED METHODIS) AND RELATE DRILY TO THE CONDITIONIST OR SAMPLEIS TESTED AS STATED HEREIN. WESTERN TECHNOLOGIES INC. MAKES NO OTHER WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLED, AND HAS NOT CONFIRMED INFORMATION INCLUDING SOURCE OF MATERIALS SUBMITTED BY OTHERS.

REVIEWED BY	



# LABORATORY REPORT ON SOIL

Client Al	iG				Date o	of Report #	40 VEM	BER 3, 2010		
C/O DST REAL ESTATE ADVISO			DVISORS Job No.					. 2187JK184		
6730 N SCOTTSDALE RD #235					Event/Inv	oice No.			Lab No.	
SCOTTSDALE, AZ 85253				Authorized By					Date	
		00200			San	npled By			Date	
Project V	NASHINGTON P.	ARK CORPORA	TE CENTER, LOT			ritted By			Date	
Contracto		THE COLL SIZE	AE CENTER, LUT		ocation					
Type / Use	e of Material 25	5% BENTONITE	POWNED MAY		ch./Engr.					
	ource / Location		TOWN NIIA		ipplier / Source					
		E ANAI VSIS	OF SOIL AST	S	ource / Location D	esig. By			Date	
	HYDRAULIC	CONDUCTIVIT	Y X ASTM DS	N D422 A	eren.					
Special Ins	structions: FAL	LING HEAD - I	RISING TAILWATE	D84 MEIHOD	☐ ASTM D	2434				
·			HOUS INICAMALE	:n						
				TEST RES	SULTS					
	E SIZE ANALYSIS	i .								
DISPERSIO			LENGTH OF D	ISPERSION PERIOD	). MINUTES	enen	1510 00		C	
DIFFICULTY	Y IN DISPERSING A	MINUS NO. 10 MA	TEDIAI				IFIC GHA	AVITY ->	ASTM D85	
OCSUMPTH	UN OF SAND & GR	AVEL PARTICLES	: HARD SO	FT FRIABLE	ROUNDED A	NGULAR	MAXI	NUM PARTICLE	ASSUMED	
	SIEVE ANALYSIS		HYDROMETER	ANALYSIS	I					
SI	EVE SIZE	% PASS	PARTICLE SIZE	% PASS	LIQUID & PLAST	TIC PROPER	ITIES			
	3 IN,		0.074 MM		ASTM 04318	LIAASHTO ]r	) 189 &		_	
2 IN.										
					LIQUID LIMIT	•		RESULT 170	SPECIFICATIO	
1	1/2 IN. 1 IN.		0.020 MM		LIQUID LIMIT PLASTIC LIMIT	<b>.</b>		170 152	SPECIFICATIO	
1	1/2 IN.				LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX		_,	170	SPECIFICATIO	
1	1/2 IN. 1 IN. 3/4 3/8		0.020 MM 0.005 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED	: YES [	]no	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN. 3/4 3/8 NO. 4				LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX	: YES [	NO . 40	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN. 3/4 3/8 NO. 4		0.005 MM 0.002 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA	HED ON NO.	. 40	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN. 3/4 3/8 NO. 4		0.005 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA SOIL CLASSIFICA ASTM D2487	HED ON NO.	. 40 M145	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN, 3/4 3/8 NO. 4 8		0.005 MM 0.002 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFIC ASTM D2487 ASTM D2488 V	HED ON NO.	. 40 M145	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN, 3/4 3/8 NO. 4 8 10	35	0.005 MM 0.002 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL	HED ON NO.	. 40 M145	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN. 3/4 3/8 NO. 4 8 10 40 50 200	35	0.005 MM 0.002 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFIC ASTM D2487 ASTM D2488 V	HED ON NO.	. 40 M145	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN, 3/4 3/8 NO. 4 8 10 40 50	35	0.005 MM 0.002 MM 0.001 MM	PECIMEN CHARA	LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL GROUP NAME	HED ON NO.	. 40 M145	170 152	SPECIFICATIO	
1	1/2 IN. 1 IN. 3/4 3/8 NO. 4 8 10 40 50 200	35	0.005 MM 0.002 MM 0.001 MM	PECIMEN CHARAS	LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL GROUP NAME	P: YES [ INED ON NO.  ATION  ASHTO  PISUAL / MAN	. 40 M145 NUAL	170 152 18		
YDRAULIC	1/2 IN. 1 IN, 3/4 3/8 NO. 4 8 10 40 50 200  CONDUCTIVITY  HEIGHT, IN. 3.01		0.005 MM 0.002 MM 0.001 MM	MOISTURE, %	LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL GROUP NAME  CTERISTIC VOID RATIO	P: YES TIMED ON NO ATION ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSISTED ASSIS	. 40 M145 NUAL	170 152 18	<b>УРЕ</b>	
YDRAULIC	1/2 IN. 1 IN, 3/4 3/8 NO. 4 8 10 40 50 200  CONDUCTIVITY  HEIGHT, IN.	DIAMETER, IN	0.005 MM 0.002 MM 0.001 MM		LIQUID LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL GROUP NAME	PE YES TIMED ON NO ATION ASHTO MAN MAN MAN MAN MAN MAN MAN MAN MAN MAN	. 40 M145 NUAL	170 152 18 T	УРЕ	
YDRAULIC INITIAL FINAL	1/2 IN. 1 IN. 3/4 3/8 NO. 4 8 10 40 50 200  CONDUCTIVITY  HEIGHT, IN. 3.01 3.01	DIAMETER, IN 2.85 2.85	0.005 MM 0.002 MM 0.001 MM  SP DENSITY, PCF 106.5 106.5	MOISTURE, %	LIQUID LIMIT PLASTIC LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM 02487 ASTM 02488 V GROUP SYMBOL GROUP NAME  CTERISTIC VOID RATIO .58 .58	PE YES TIMED ON NO.  ATION  ASSHTO  AS	M145 NUAL	170 152 18 T X REMOLDED UNDISTURE	YPE	
YDRAULIC INITIAL FINAL	1/2 IN. 1 IN, 3/4 3/8 NO. 4 8 10 40 50 200  CONDUCTIVITY  HEIGHT, IN. 3.01	DIAMETER, IN 2.85 2.85	0.005 MM 0.002 MM 0.001 MM  SP DENSITY, PCF 106.5 106.5	MOISTURE, %	LIQUID LIMIT PLASTIC LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL GROUP NAME  CTERISTIC VOID RATIO .58 .58  MAXIMUM CONSO	PE YES [ INED ON NO.  ATION  ASSHTO  A	M145 NUAL	170 152 18  T  X  REMOLDED  UNDISTURE	YPE	
YDRAULIC INITIAL FINAL PECIFIC GR.	1/2 IN.  1 IN.  3/4  3/8  NO. 4  8  10  40  50  CONDUCTIVITY  HEIGHT, IN.  3.01  3.01  AVITY \(\rightarrow\) 2.7	DIAMETER, IN  2.85  2.85  ASTM 38  X ASSUMED	0.005 MM 0.002 MM 0.001 MM  SP DENSITY, PCF 106.5 106.5	MOISTURE, %	LIQUID LIMIT PLASTIC LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM 02487 ASTM 02488 V GROUP SYMBOL GROUP NAME  CTERISTIC VOID RATIO .58 .58	SATURATION  SATURATION  SATURATION  84  98  PURITHER TO SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF	M145 NUAL N. %	170 152 18  T  X  REMOLDED UNDISTURE E STRESS, PSI E STRESS, PSI	YPE  → 5 → 2	
YDRAULIC INITIAL FINAL PECIFIC GR.	1/2 IN. 1 IN. 3/4 3/8 NO. 4 8 10 40 50 200  CONDUCTIVITY  HEIGHT, IN. 3.01 3.01	DIAMETER, IN  2.85  2.85  ASTM 38  X ASSUMED	0.005 MM 0.002 MM 0.001 MM  SP DENSITY, PCF 106.5 106.5	MOISTURE, %	LIQUID LIMIT PLASTIC LIMIT PLASTIC LIMIT PLASTICITY INDEX SAMPLE AIR DRIED ESTIMATE % RETA  SOIL CLASSIFICA ASTM D2487 ASTM D2488 V GROUP SYMBOL GROUP NAME  CTERISTIC VOID RATIO .58 .58  MAXIMUM CONSO MINIMUM CONSO	SATURATION  SATURATION  SATURATION  84  98  SELECTION EN	M145 NUAL  N, %	170 152 18  T  X  REMOLDED  UNDISTURE	⇒ 5 ⇒ 2 ⇒ 115 (AVE)	

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REVIEWED BY	



# LABORATORY REPORT ON SOIL

03-58-M-LD-BA

C/O DST REAL ESTATE ADVISIONS 6730 N SCOTTSDALE, AZ 85253 SCOTTSDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ 85253 ScottsDALE, AZ						Date of	Report NOVE	MBER 3, 2010			
STOOM SCOTTSDALE RD #238 SCOTTSDALE AZ #5253 Submitted By Date Date Scottsdate Age	Client AIG					,	Job No. 2187	'JK184			
SCOTTSDALE, AZ 85253  Sampled by Date Submitted By Date Project WASHINGTON PARK CORPORATE CENTER, LOT 3 Arch, / Engr.  Joestion Arch, / Engr.  Arch, / Engr.  Source / Location Arch, / Engr.  Source / Location Source / Location Source / Location Source / Location Desig. By Date  HYDRAULIC CONDUCTIVITY   A STM D694 METHOD   ASTM D2434  Special Instructions: FALLING HEAD - RISING TAILWATER  TEST RESULTS  PARTICLE SIZE ANALYSIS  DISPERSION DEVICE  LINGTH OF DISPERSION PERIOD, MINUTES SOURCE / LOCATION DISPERSION DEVICE SIZE ANALYSIS  DISPERSION DEVICE  LINGTH OF DISPERSION PERIOD, MINUTES SOURCE / LOCATION DISPERSION DEVICE SIZE ANALYSIS  DISPERSION DEVICE  LINGTH OF DISPERSION PERIOD, MINUTES SOURCE / ASTM D694 DISPERSION DEVICE SIZE ANALYSIS  DISPERSION DEVICE  LINGTH OF DISPERSION PERIOD, MINUTES SOURCE / ASTM D695 ASSMED DISPERSION DEVICE  ASTM D434  DISPERSION DEVICE SIZE ANALYSIS  SIZE ANALYSIS  DISPERSION DEVICE SIZE ANALYSIS  DISPERSION DEVICE ANALYSIS  INTO ANALYSIS  NOTIFICATION DISPERSION MINUS NO. 10 MATERIAL DISPERSION PARTICLES SIZE IN ASTM D694  ANALYSIS  SIZE ANALYSIS  LIQUID & PLASTIC PROPERTIES  SIZE SIZE SIZE  ASTM D694  ANALYSIS  SIZE SIZE ANALYSIS  SOURCE / LOCATION LIQUID LIMIT LIQUID LIMIT LIQUID LIMIT LIQUID LIMIT LIQUID LIMIT LIQUID LIMIT PARTICLE LIMIT PARTICLE WITH SEPACE OF THE SIZE					Event / Invo	ice No.	La	b No.			
Submitted By Date  Submitted By Date  Submitted By Date  Submitted By Date  Submitted By Date  Arch./ Engr.  Supple / Source  Supple / Source  Supple / Source  Source / Location  Reference: PARTICLE SIZE ANALYSIS  OPERATION DESCRIPTION FELLETS MIX  Supple / Source  Source / Location Desig. By Date  HYDRAULIC CONDUCTIVITY   MASKIM 5684 METHOD   ASTM D2434  SPECIFIC GRAVITY → DASS MASKIMST TEST RESULTS  PARTICLE SIZE ANALYSIS  UNDERGROUND DEFINITION ON INMATERIAL CASES  OPERATION DESCRIPTION OF SAND & GRAVEL PARTICLES   LENGTH OF DISPERSION PERIOD. MINUTES  SELVE ANALYSIS  SELVE ANALYSIS  SELVE ANALYSIS  SELVE ANALYSIS  SELVE ANALYSIS  1 N	6730	O N SCOTTSDA	LE RD #235			Author		Date			
Contractor WASHINGTON PARK CORPORATE CENTER, LOT 3  Location  Contractor  Arch, /Engr.  Suppler / Source  Arch, /Engr.  Source / Location  Barth Corporation  HYDRAULIC CONDUCTIVITY   XI ASTM D422   ASTM D4234  Special Instructions: FALLING HEAD - RISING TAILWATER  FARTICLE SIZE ANALYSIS  DEPERAGNO LEVICE  LENGTH OF DISPERSION PERIOD, MINUTES  PARTICLE SIZE ANALYSIS  DEPERAGNO LEVICE  LENGTH OF DISPERSION PERIOD, MINUTES  SPECIFIC GRAVITY →   ASTM D864  DESCRIPTION OF SAND & GNAVE PARTICLES   ASTM D1984   ASSMMED  DESCRIPTION OF SAND & GNAVE PARTICLES   ASTM D1984   ASSMMED  DESCRIPTION OF SAND & GNAVE PARTICLES   ASTM D1984   ASSMMED  SIEVE SIZE   N PASS   PARTICLE	SCO	TTSDALE, AZ	85253			Sam	pled By		Date		
Contractor  Vipor I/De of Material 25% BENTONITE PELLETS MIX  Supplier / Source  Supplie						•					
Type / Use of Material 25% BENTONITE PELLETS MIX Supplier / Source   Location Sample Source / Location Afteronce: PARTICLE SIZE ANALYSIS OF SOIL   JASTM D42   DASTM D434 Special Instructions: FALLING HEAD - RISING TAILWATER  TEST RESULTS  PARTICLE SIZE ANALYSIS DISPERSION DEWCE DISPERSION DEWCE DISPERSION NUMBER OF SOURCE SAME ASSUMED DESCRIPTION OF SAME & GRAVEL PARTICLES:   MADD   SOFT   FRIABLE   ROUNDED   ANGULAR MAXIMUM PARTICLE SIZE IN.  DESCRIPTION OF SAME & GRAVEL PARTICLES:   MADD   SOFT   FRIABLE   ROUNDED   ANGULAR MAXIMUM PARTICLE SIZE IN.  DIEVE ANALYSIS SITUS SIZE   % PASS   PARTICLE SIZE   MADD   SOFT   FRIABLE   ROUNDED   ANGULAR MAXIMUM PARTICLE SIZE IN.  DIEVE ANALYSIS   HVONOMETER ANALYSIS   LIQUID & PLASTIC PROPERTIES   SIZE IN   SECURICATION   LIQUID A PLASTIC PROPERTIES   SIZE IN   SECURICATION   LIQUID A PLASTIC PROPERTIES   SIZE IN   SECURICATION   LIQUID A   SAME HAD A SOLIC LASSIFICATION   LIQUID AND	Project WA	ASHINGTON PA	RK CORPORAT	TE CENTER, LOT 3	Loc	ation					
Sample Source / Location Notice : PARTICLE SIZE ANALYSIS OF SOIL   ASTM D422   ASTM D4234 Special Instructions: FALLING HEAD - RISING TAILWATER  TEST RESULTS  PARTICLE SIZE ANALYSIS OISPERSION DEVICE OISPERSION DEVICE DISPERSION DEVICE DISPERSION DEVICE DISPERSION OF SAND & GRAVEL PARTICLES:   HARD   SOFT   FRIABLE   HOUNDED   ANDULAR   MAXIMUM PARTICLE SIZE. IN.  SIEVE ANALYSIS  USEY SAND & PASS   PARTICLES   AND   SOFT   FRIABLE   HOUNDED   ANDULAR   MAXIMUM PARTICLE SIZE. IN.  SIEVE ANALYSIS   HYDROMETER ANALYSIS   LIQUID & PLASTIC PROPERTIES   SIEVE SAND   SOFT   ASTM D554   ASTM D554   ASTM D557   ASTM D557   ASTM D558   SIEVE ANALYSIS   HYDROMETER ANALYSIS   LIQUID & PLASTIC PROPERTIES   SIEVE ANALYSIS   HYDROMETER ANALYSIS   LIQUID & PLASTIC PROPERTIES   SIEVE SAND   ASTM D558   ASTM D557   ASTM D558   ASTM D558   ASTM D558   ASTM D558   SIEVE SAND   ASTM D558   SIEVE SAND   ASTM D558	Contractor				Arc	h./Engr.					
Reference: PARTICLE SIZE ANALYSIS OF SOIL	Type / Use	of Material 25	% BENTONITE	PELLETS MIX	Sup	oplier / Source					
## ASTM D508 METHOD	•						sig. By		Date		
TEST RESULTS  PARTICLE SIZE ANALYSIS  OSPERSION DEWGE  DEFICULTY IN DISPERSING MINUS NO. 10 MATERIAL  OSPERSION DEWGE  DEFICULTY IN DISPERSING MINUS NO. 10 MATERIAL  OSPERSION DEWGE  SIEVE ANALYSIS  SIEVE A											
TEST RESULTS  PARTICLE SIZE ANALYSIS  OISPERSION DEVICE  LENGTH OF DISPERSION PERIOD. MINUTES  SPECIFIC GRAVITY → ASTM DBS4  ASSUMED  DESCRIPTION OF SAND & GRAVEL PARTICLES: HARD SOFT   FRIABLE   ROUNDED   ANGULAN   MAXIMUM PARTICLE SIZE, IN.  SIEVE ANALYSIS   MYDROMETER ANALYSIS   LIQUID & PLASTIC PROPERTIES  SIEVE SIZE   N. PASS   PARTICLES SIZE   N. PASS   ASTM DBS4   ASTM DBS4   ASTM DBS4   ASSUMED    3 IN. 2 IN. 172 IN. 0.020 MM   PLASTICITY MOEX   ASTM DBS4   ASTM DBS6   TO NO. 40    3 IN. 2 IN. 172 IN. 0.020 MM   PLASTICITY MOEX   PLASTICITY MOEX    3 IN. 2 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN. 1 IN.					METHOD	ASTM D	2434				
PARTICLE SIZE ANALYSIS  DISPERSION DEVICE  UNDEFICULTY IN DISPERSING MINUS NO. 10 MATERIAL  DESCRIPTION OF SAND & GRAVEL PARTICLES:   HAPD SOFT   FRIABLE   ROUNDED   ANGULAR   MAXIMUM PARTICLE SIZE, IN.  SIEVE ANALYSIS   HYDROMETER ANALYSIS   LIQUID & PLASTIC PROPERTIES  SIEVE ANALYSIS   HYDROMETER ANALYSIS   ASTIN 04316   AASHTO 189 & 190    3 IN.   0.074 MM   REHOD   A   8   RESULT   SPECIFICATION    1 11/2 IN,   0.020 MM   PLASTICITY INDEX    3 IN   0.005 MM   SAMPLE AIR DISPISITY INDEX    3 IN   0.005 MM   SAMPLE AIR DISPISITY INDEX    3 IN   0.005 MM   SAMPLE AIR DISPISITY INDEX    3 IN   0.001 MM   SAMPLE AIR DISPISITY INDEX    3 IN   0.002 MM   SAMPLE AIR DISPISITY INDEX    3 IN   0.001 MM   SAMPLE AIR DISPISITY INDEX    4 IN   0.002 MM   SAMPLE AIR DISPISITY INDEX    4 IN   0.003 MM   SAMPLE AIR DISPISITY INDEX    5 IN   0.004   GROUP SYMBOL    4 GROUP SYMBOL   GROUP SYMBOL    5 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION    6 IN   1.004   CASSIFICATION	Special Insti	ructions: FAL	LING HEAD - F	RISING TAILWATER							
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